

Tracking Number TNR147251.01

**NOTICE OF COVERAGE UNDER THE GENERAL NPDES PERMIT FOR STORMWATER  
DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY (CGP)**

Tennessee Department of Environment and Conservation  
Division of Water Resources  
401 Church Street, 6th Floor, L&C Annex  
Nashville, Tennessee 37243

Under authority of the Tennessee Water Quality Control Act of 1977 (T.C.A. 69-3-101 et seq.) and the delegation of authority from the United States Environmental Protection Agency under the Federal Water Pollution Control Act, as amended by the Clean Water Act of 1977 (33 U.S.C. 1251, et seq.):

Name of the Construction Project: **Cumberland Center (1.5 acres)**

Master Tracking Number at the Site: **TNR147251**

Permittee Name: **J.D. Eatherly**

Contractor(s): **Choice Construction**

is authorized to discharge: storm water associated with construction activity

from site located at: **Off Hwy 231, adjacent to I-40., Wilson County  
(Lat. 36.1819/Long. -86.2944)**

to receiving waters named: **Sinking Creek**

in accordance with effluent limitations, monitoring requirements and other conditions set forth herein.

Likely presence of threatened or endangered species in one mile radius: **NO**

Likely presence of threatened or endangered species downstream: **NO**

Additional pollution prevention requirements apply for discharges into waters which TDEC identifies as:

a) impaired: **NO**

b) discharging into Exceptional Tennessee Waters: **NO**

Your coverage under the CGP shall become effective on **September 19, 2012**, and shall be terminated upon receipt of Notice of Termination.

for Sandra K. Dudley, Ph.D., P.E.  
Director



STATE OF TENNESSEE  
DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
DIVISION OF WATER RESOURCES  
NASHVILLE ENVIRONMENTAL FIELD OFFICE  
711 R.S. GASS BOULEVARD  
NASHVILLE, TN 37243  
PHONE 615-687-7000 STATEWIDE 1-888-891-8332 FAX 615-687-7078

September 19, 2012

Mr. J D Eatherly  
1720 West End Ave., Ste 600  
Nashville, TN 37203

Subject: **NPDES Construction General Permit Tracking No. TNR147251.01**  
**Master Tracking Number: TNR147251**  
**J.D. Eatherly, Cumberland Center**  
**Lebanon, Wilson County, Tennessee**

Dear Mr. Eatherly:

The Division of Water Resources (the division) acknowledges receipt of the Notice of Intent (NOI) form for the above referenced project. The NOI was received on September 11, 2012. The NOI was submitted to obtain coverage under a General NPDES Permit for Storm Water Discharges Associated with Construction Activity. Enclosed is the Notice of Coverage (NOC) form which shows the site name and location, receiving stream, effective date of coverage, etc.

**Contractor Information**

The division does not normally transmit a copy of this letter to your contractor(s). You should make sure that all contractors listed on the NOI are aware of the General Permit requirements.

We appreciate your attention to the general construction storm water permit and its requirements. We believe this does make a difference to the quality of state waters. If you have any questions, please contact Mr. Michael Finks at (615) 687-7115 or by e-mail at [michael.finks@tn.gov](mailto:michael.finks@tn.gov).

Sincerely,

Water Pollution Control Manager  
Nashville Environmental Field Office

cc: Mr. Jimmy Kenaum, Choice Construction, TN.  
Mr. Garry M. Batson, Batson & Associates Engineering, Inc.





## TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Division of Water Pollution Control

6<sup>th</sup> Floor Annex, L&C Tower, 401 Church Street, Nashville, Tennessee 37243

1-888-891-8332 (TDEC)

## Notice of Intent (NOI) for General NPDES Permit for Stormwater Discharges from Construction Activities (TNR100000)

Site or Project Name: <b>RCC - Cumberland Center</b>		NPDES Tracking Number: <b>TNR</b>	
Street Address or Location: <b>Cumberland Center Blvd</b>		Start date: <b>Sept 19 2012</b>	
Site Description: <b>1.5 Acres Site for Retail Store</b>		Estimated end date: <b>April 2013</b>	
County(ies): <b>Wilson</b>		Latitude (dd.dddd): <b>36.1819</b>	
MS4 Jurisdiction:		Longitude (dd.dddd): <b>86.2944</b>	
		Acres Disturbed: <b>1.5</b>	
		Total Acres: <b>1.5</b>	
Does a topographic map show dotted or solid blue lines <input type="checkbox"/> and/or wetlands <input type="checkbox"/> on or adjacent to the construction site? <b>no</b>			
If wetlands are located on-site and may be impacted, attach wetlands delineation report. <b>no</b>			
If an Aquatic Resource Alteration Permit has been obtained for this site, what is the permit number? ARAP permit No.:			
Receiving waters:			
Attach the SWPPP with the NOI <input checked="" type="checkbox"/> SWPPP Attached		Attach a site location map <input checked="" type="checkbox"/> Map Attached	
Name of Site Owner or Developer (Site-Wide Permittee): (person, company, or legal entity that has operational or design control over construction plans and specifications): <b>J. D. GOTHENY</b>			
Site Owner or Developer Contact Name: (individual responsible for site): <b>J. D. GOTHENY</b>		Title or Position: (the party who signs the certification below): <b>Owner / Development</b>	
Mailing Address: <b>1720 WEST END AVE</b>		City: <b>NASHVILLE</b>	State: <b>TN</b> Zip: <b>37203</b>
Phone: <b>(615) 300-1149</b>	Fax: <b>( )</b>	E-mail:	
Optional Contact:		Title or Position:	
Mailing Address:		City:	State: Zip:
Phone: <b>( )</b>	Fax: <b>( )</b>	E-mail:	
<b>Owner or Developer Certification</b> (must be signed by president, vice-president or equivalent, or ranking elected official) (Primary Permittee)			
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.			
Owner or Developer Name; (print or type)		Signature: <b>J. D. Gotheny</b>	Date: <b>9-11-12</b>
<b>Contractor(s) Certification</b> (must be signed by president, vice-president or equivalent, or ranking elected official) (Secondary Permittee)			
I certify under penalty of law that I have reviewed this document, any attachments, and the SWPPP referenced above. Based on my inquiry of the construction site owner/developer identified above and/or my inquiry of the person directly responsible for assembling this NOI and SWPPP, I believe the information submitted is accurate. I am aware that this NOI, if approved, makes the above-described construction activity subject to NPDES permit number TNR100000, and that certain of my activities on-site are thereby regulated. I am aware that there are significant penalties, including the possibility of fine and imprisonment for knowing violations, and for failure to comply with these permit requirements.			
Primary contractor name and address; (print or type) <b>Choice Construction Inc Nash TN 37224</b>		Signature: <b>[Signature]</b>	Date: <b>9-11-2012</b>
Other contractor name and address; (print or type)		Signature:	Date:
Other contractor name and address; (print or type)		Signature:	Date:

## OFFICIAL STATE USE ONLY

Received Date: <b>9-11-12</b>	Reviewer: <b>MAF</b>	Field Office: <b>04</b>	Permit Number <b>TNR 147251.01</b>	Exceptional TN Water: <b>N</b>
Fee(s): <b>NA</b>	T & E Aquatic Flora and Fauna: <b>—</b>	Impaired Receiving Stream: <b>N</b>	Notice of Coverage Date:	

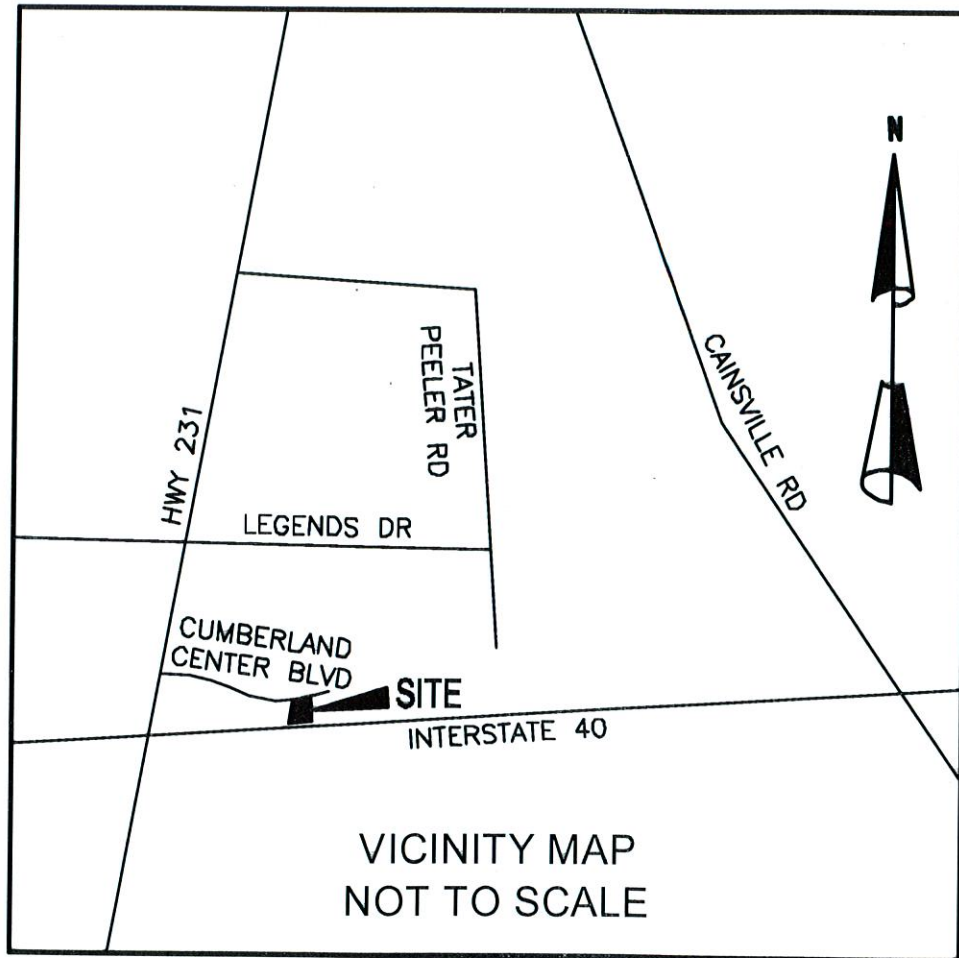
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STATE OF TENNESSEE  
DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
NASHVILLE ENVIRONMENTAL FIELD OFFICE  
DIVISION OF WATER POLLUTION CONTROL  
711 R.S. GASS BOULEVARD  
NASHVILLE, TN 37243

April 19, 2010

Bobby Capers  
231 Partnership  
1720 West End Ave.  
Nashville, TN 37203

RE: NPDES Construction General Permit Tracking No. TNR147251  
Cumberland Center  
Lebanon, Wilson County, Tennessee

Dear Mr. Capers:

The Division of Water Pollution Control (the division) acknowledges receipt of the Notice of Intent (NOI) form on February 17, 2010. The NOI was submitted to obtain coverage under a General NPDES Permit for Storm Water Discharges Associated with Construction Activity. Enclosed is the Notice of Coverage (NOC) form which shows the site name and location, receiving stream, effective date of coverage, and responsible operators.

**Contractor Information**

As of the date this NOI was processed, no contractor was identified on the NOI. A primary contractor, or contractor otherwise responsible for sediment and erosion controls on the construction site, must be identified and must submit an NOI to this office prior to beginning earth clearing operations on site. When submitting the NOI, the contractor should indicate on the NOI form the above referenced permit tracking number.

**Storm Water Pollution Prevention Plan (SWPPP)**

The division acknowledges receipt of your SWPPP as fulfillment of the SWPPP submittal requirement for this construction site. Please note that the division has not performed an engineering review of the SWPPP and does not certify whether the SWPPP adequately provides for the pollution prevention requirements at the site as described in the General Permit. The division acknowledges that you have submitted a SWPPP that appears to include the required components of a SWPPP. It is the responsibility of all site operators to design, implement, and maintain measures that are sufficient to prevent pollution at the referenced site, and to remain in compliance with the terms and conditions of the General Permit.

Bobby Capers, Cumberland Center NOC

Page 2

April 19, 2010

We appreciate your attention to the Tennessee Construction General Permit for Stormwater Discharges and its requirements. We believe this does make a difference to the quality of state waters. If you have any questions, please contact me at (615) 687-7115 or by E-mail at [michael.finks@tn.gov](mailto:michael.finks@tn.gov).

Sincerely,

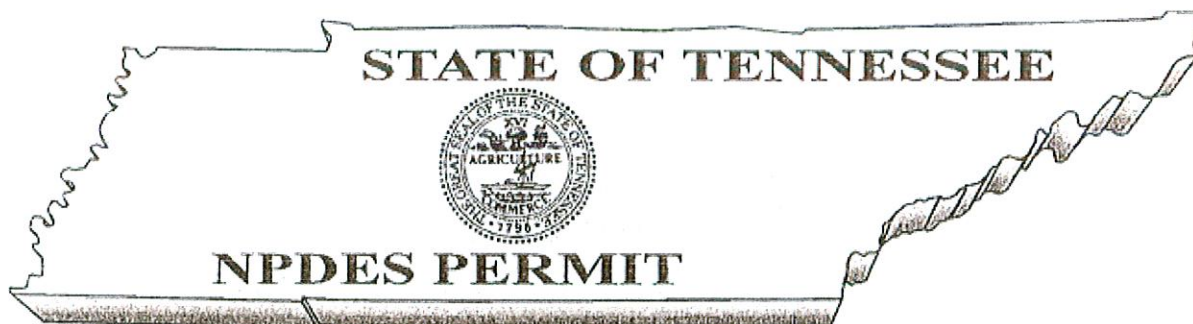
A handwritten signature in black ink, appearing to read "Michael Finks", written in a cursive style.

Michael Finks

Division of Water Pollution Control

cc: Mr. Garry Batson, Batson & Associates Engineering





**Tracking No. TNR147251**

General NPDES Permit for  
**STORM WATER DISCHARGES ASSOCIATED WITH  
CONSTRUCTION ACTIVITY**

Tennessee Department of Environment and Conservation  
Division of Water Pollution Control  
401 Church Street, 6th Floor, L&C Annex  
Nashville, Tennessee 37243-1534

Under authority of the Tennessee Water Quality Control Act of 1977 (T.C.A. 69-3-101 et seq.) and the delegation of authority from the United States Environmental Protection Agency under the Federal Water Pollution Control Act, as amended by the Clean Water Act of 1977 (33 U.S.C. 1251, et seq.):

Name of the Construction Project: **Cumberland Center (27 acres)**

Construction site Owner/Developer: **231 Partnership- Bobby Capers**

is authorized to discharge storm water associated with construction activity

from site located at: **Off Hwy 231, adjacent to I-40., Wilson County  
(Lat. 36.1819/Long. -86.294444)**

to receiving waters named: **Sinking Creek**

in accordance with effluent limitations, monitoring requirements and other conditions set forth herein.

Likely presence of threatened or endangered species in 1 mile radius: **NO**

Likely presence of threatened or endangered species downstream: **NO**

Additional pollution prevention requirements apply for discharges into waters which TDEC identifies as:

a) impaired: **NO**

b) discharging into High Quality Waters: **NO**

Coverage under this general permit shall become effective on April 19, 2010, and shall be terminated upon approval of Notice of Termination, or the date of expiration of this General Permit.

Paul E. Davis, Director  
Division of Water Pollution Control

State of Tennessee  
Department of Environment and Conservation  
Nashville Environmental Field Office  
Division of Water Pollution Control  
711 R.S. Gass Boulevard  
Nashville, TN 37243-1550

FIRST CLASS



Mr. Gary Batson  
Batson & Associates Engineering, Inc.  
5150 Remington Drive  
Brentwood, TN 37027

37027\$3001 R038





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# **STORM WATER POLLUTION PREVENTION PLAN**

**FOR**

**RCC Retail  
J. D. Eatherly**

Lebanon, Tennessee

Wilson County Tax Map 81, Parcel 43 and 52

Prepared on:

July 12, 2012

Prepared by:

Batson & Associates Engineering, Inc  
5150 Remington Drive  
Brentwood, Tennessee 37027  
Phone: (615) 424-4840  
Fax: (615) 370-9363

*Revised:*

**RCC Retail at Cumberland Center  
STORM WATER POLLUTION PREVENTION PLAN**

Project Name and Location:

RCC at Cumberland Center  
Lebanon, Tn  
Latitude: 36 10' 55"  
Longitude: 86 17' 40"

Owner Name and Address:

J. D. Eatherly  
1729 West End Ave. Suite 600  
Nashville TN. 37203

Location: In Lebanon Tn. Off of Highway 231 and adjacent to Interstate 40

Description:

This project will consist of clearing, grading, roadway and utility construction for a 1.33 acre for a 15,600 square foot retail store.

Runoff Coefficient:

The final runoff coefficient for the developed portion of the site will be approximately 0.7.

Site Area:

The site contains approximately 1.33 acres.

Sequence of Major Grading Activities:

1. Install erosion control measures
2. Install stabilized construction entrance
3. Clearing and grubbing for water quality basin.
4. Construct water quality basin and outlet structure.
5. Continue clearing and grubbing for roadway, drainage and utility construction
6. Stockpile topsoil
7. Continue grading operations
8. Stabilize denuded areas and stockpiles within 15 days of last construction activity in that area
9. Complete roadway and parking sub-grade grading
10. Install utilities, storm sewer, roadway base and curb
11. Complete grading and install permanent seeding and plantings
12. Install base and binder paving courses
13. Remove accumulated sediment from storm inlets and along erosion barriers
14. Remove accumulated sediment from water quality basin.
15. When all construction activity is completed and grading is stabilized, remove erosion control measures



### Stabilization Practices:

Temporary Stabilization – Top soil stock piles and disturbed portions of the site where construction activity has temporarily ceased for at least 21 days will be stabilized with a temporary seed and mulch mixture no later than 15 days from the last activity in that area. The temporary seed shall be Rye (grain) applied at a rate of 120 pounds per acre. Prior to seeding, 2,000 pounds of ground agricultural limestone and 1,000 pounds of 10-10-10 fertilizer shall be applied to each acre to be stabilized. After seeding, each area shall be mulched with 4,000 pounds per acre of straw. The straw mulch is to be tacked in place by a disk with blades set nearly straight. Areas of the site which are to be paved will be temporarily stabilized by applying geotextile and stone sub-base until bituminous pavement can be applied.

Permanent Stabilization – Disturbed portions of the site where construction activity has permanently ceased shall be stabilized with permanent seed no later than 7 days after the last construction activity. The permanent seed mix shall consist of 80-pounds/acre tall fescue, and 40-pounds/acre kobe lespedeza. Prior to seeding, 4,000 pound of ground agricultural limestone and 2,000 pounds of 10-10-10 fertilizer shall be applied to each acre to be stabilized. After seeding, each area shall be mulched with 4,000 pounds per acre of straw. The straw mulch is to be tacked in place by a disk with the blades set nearly straight.

### Structural Practices

Silt fence is being placed around the perimeter of the site. Water quality is being handled by the existing water quality/detention pond for the overall development north of the site. The silt fences will be monitored and cleaned as necessary once construction activities have been completed erosion control measures will be removed and the disturbed ground will be seeded and mulched.

### Storm Water Management:

Storm water runoff will be collected by a combination of open channels and roadway inlets. The collected storm water runoff will be routed through a Water Quality and Storm water Detention Pond before being released into Sinking Creek. Graded areas will be seeded or stabilized dependant upon the slope conditions. All slopes greater than 3:1 will be stabilized. The water routed through the storm drainage system will be checked with inlet filters and stone checked dams prior to flowing into the water quality ponds.

## **OTHER CONTROLS**

### Waste Materials:

All waste materials will collected and stored in a securely lidded metal dumpster rented from a licensed local waste management company. The dumpster will meet all local and state solid waste management regulations. All trash and construction debris from the site will be deposited into the dumpster. The dumpster will be emptied at a minimum of once per week or more often if necessary; the trash will be hauled to the appropriate waste management facility. All personnel will be instructed regarding the correct procedure for waste disposal. Notices stating these practices will be posted in the office trailer and the site superintendent, who manages day-to day operations, will be responsible for seeing that these procedures are followed.



### Hazardous Waste:

All hazardous waste materials will be deposited in the manner specified by local or State regulation or by the manufacturer. Site personnel will be instructed in these practices by the job superintendent or hazardous materials coordinator.

### Sanitary Waste:

A licensed collection company under contract will collect all sanitary waste from portable units at a minimum of two times per week with the contractor. The disposal of sanitary wastes will be in accordance with all applicable local and State regulations.

### Offsite Vehicle Tracking:

A stabilized construction entrance will be provided to help reduce vehicle tracking of sediments. The paved street adjacent to the site entrance will be swept to remove debris and excess mud, dirt or rock tracked from the site. Dump trucks hauling material from the construction site will be covered with tarpaulins.

## **TIMING OF CONTROLS / MEASURES**

As Indicated in the Sequence of Major Activities, the stabilized construction entrance and erosion control measures will be installed prior to clearing or grading of any other portions of the site. Areas where construction activity temporarily ceases for more than 21 days will be stabilized with a temporary seed and mulch mixture within 15 days of the last disturbance. Once construction activity ceases permanently in an area, that area will be stabilized with permanent seed and mulch. After the entire site is stabilized, the accumulated sediment will be removed from the storm inlets and erosion control devices. Any areas disturbed during cleanup procedures will be stabilized prior to the removal of erosion control measures.

## **CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS**

The storm water pollution prevention plan reflects Metropolitan Department of Public Works requirements for storm water management of erosion and sediment control, as established by Metropolitan Government Ordinance. To ensure compliance, this plan was prepared in accordance with "Volume 4 – Best Management Practices" of the Metropolitan Stormwater Management Manual dated March 2000.

## **MAINTENANCE AND INSPECTION PROCEDURES**

### Inspection and Maintenance Practices:

These are the inspection and maintenance practices that will be used to maintain erosion prevention and sediment controls.

- Less than one half of the site will be denuded at one time.

- All control measures will be inspected at least twice every calendar week. Inspections shall be performed at least 72 hours apart. Where sites or portion(s) of construction sites have been temporarily stabilized, or runoff is unlikely due to winter conditions (e.g., site covered with snow or ice) or due to extreme drought, such inspection only has to be conducted once per month until thawing or precipitation results in runoff or construction activity resumes. Inspection requirements do not apply to definable areas that have been finally stabilized. Written notification of the intent to change the inspection frequency and the justification for such a request must be submitted to the local Environmental Field Office, or the Transportation (TDOT) and the Tennessee Valley Authority (TVA). Should the division discover that monthly inspections of the site are not appropriate due to insufficient stabilization measures or otherwise, twice weekly inspections shall resume. The division may inspect the site to confirm or deny the notification to conduct monthly inspections.
- All measures will be maintained in good working order, if a repair is necessary, it will be initiated within 24 hours of report.
- Built up sediment will be removed from silt fence when it has reached one-third the height of the fence.
- Silt fence will be inspected for depth of sediment, tears, security of attachment to the fence posts, and to see that the fence posts are firmly in the ground.
- The sediment basin will be inspected for depth of sediment, and built up sediment will be removed when it reaches 10 percent of the design capacity and at the end of the job.
- Temporary and permanent seeding and planting will be inspected for bare spots, washouts, and healthy growth.
- A maintenance inspection report will be made after each inspection. A copy of the report form is attached.
- The site superintendent will select three individuals who will be responsible for inspections, maintenance and repair activities, and filling out the inspection and maintenance reports.
- Inspectors performing the required twice weekly inspections must have an active certification by completing the "Fundamentals of Erosion Prevention and Sediment Control Level I" course. A copy of the certificate or training record for inspector certification should be kept on site.

#### Non-Storm Water Discharges:

The following non-storm water discharges or expected from the site during the construction period:

- Water from water line flushings.
- Water from dust control measures.
- Pavement wash waters (where there have been no spills or leaks of toxic or hazardous materials).
- Uncontaminated ground water from dewatering excavation.

All non-storm water discharges will be directed to the sediment basin to the extent possible.

### **INVENTORY FOR POLLUTION PREVENTION PLAN**

The materials or substances listed below are expected to be onsite during construction:

- Concrete
- Detergents



- Bituminous Materials
- Tar
- Fertilizers
- Petroleum based products
- Cleaning solvents
- Wood
- Masonry Block

## **SPILL PREVENTION**

### Material Management Practices:

The following material management practices will be used to reduce the risk of spills or other accidental exposure of materials and substances to storm water runoff:

### Good Housekeeping:

The following good housekeeping practices will be followed onsite during the construction project:

- An effort will be made to store only enough products required to do the job.
- All materials stored onsite will be stored in a neat, orderly manner in their appropriate containers and, if possible, under a roof or other enclosure.
- Products will be kept in their original containers with the manufacturer's label.
- Substances will not be mixed with one another unless recommended by the manufacturer.
- Whenever possible, all of a product will be used before disposing of the container.
- Manufacturers' recommendations for proper use and disposal will be followed.
- The site superintendent will inspect daily to ensure proper use and disposal of materials onsite.

### Hazardous Products:

These practices are used to reduce the risks associated with hazardous materials:

- Products will be kept in original containers unless they are not able to be resealed.
- Original labels and material safety data will be retained.
- If surplus product must be disposed of, manufacturers' or local and State recommended methods for proper disposal would be followed.

### Product Specific Practices:

The following product specific practices will be followed onsite:

#### Petroleum Products:



All onsite vehicles will be monitored for leaks and receive regular preventative maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers that are clearly labeled. Any asphalt substances used onsite will be applied according to the manufacturer's recommendations.

#### Fertilizers:

Fertilizers will be applied only in the minimum amounts recommended by the manufacturer. Once applied, fertilizer will be worked into the soil to limit exposure to storm water. Storage will be in a covered shed. The contents of and partially used bags of fertilizer will be transferred to a sealable plastic bin to avoid spills.

#### Concrete Trucks:

Concrete trucks will not be allowed to discharge surplus concrete, wash out water or drum wash water into the storm sewer system.

#### Spill Control Practices:

In addition to good housekeeping and material management practices discussed in the previous sections, the following practices will be followed for spill prevention and cleanup:

- Manufacturer's recommended methods for spill cleanup will be clearly posted and site personnel will be made aware of the procedures and the location of the information and cleanup supplies.
- Materials and equipment necessary for spill cleanup will be kept in the material storage area onsite. Equipment and materials will include but not be limited to brooms, dust pans, mops, rags, gloves, goggles, kitty litter, sand, sawdust, and plastic and metal trash containers specifically for this purpose.
- All spills will be cleaned up immediately after discovery.
- The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous substance.
- Spills, regardless of size, of toxic or hazardous material will be reported to the appropriate State or local government agency.
- In the event of a spill, the spill prevention plan will be adjusted to include measures to prevent this type of spill from reoccurring and how to cleanup the spill if there is another one. A description of the spill, what caused it, and the cleanup measures will also be included.
- The site superintendent responsible for day-to-day operations; will be the spill prevention and cleanup coordinator. He will designate at least three other site personnel who will receive spill prevention and cleanup training. These individuals will each be responsible for a particular phase of prevention and cleanup. The names of the responsible spill personnel will be posted in the material storage area and in the office trailer onsite.

## POLLUTION PREVENTION PLAN CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person, or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed: \_\_\_\_\_  
Owner's Representative

## CONTRACTORS CERTIFICATION

I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with the construction activity described in this Storm Water Pollution Prevention Plan.

**Signature:**

**Company Information:**

**Responsible For:**

\_\_\_\_\_  
Title: \_\_\_\_\_

Date: \_\_\_\_\_

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Title: \_\_\_\_\_

Date: \_\_\_\_\_

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2012 SEP 11 PM 3:29

# **STORM WATER POLLUTION PREVENTION PLAN**

**FOR**

**Cumberland Center**  
Two Thirty One Partnership

Nashville, Tennessee

Wilson County Tax Map 81, Parcel 43 and 52

Prepared on:

February 3, 2010

Prepared by:

Batson & Associates Engineering, Inc  
5150 Remington Drive  
Brentwood, Tennessee 37027  
Phone: (615) 424-4840  
Fax: (615) 370-9363

*Revised:*  
9-20-11



**Cumberland Center  
STORM WATER POLLUTION PREVENTION PLAN**

Project Name and Location:

Cumberland Center  
Lebanon, Tn  
Latitude: 36 10' 55"  
Longitude: 86 17' 40"

Owner Name and Address:

Bobby Capers and J. D. Eatherly  
231 Partnership  
1729 West End Ave. Suite 600  
Nashville TN. 37203

Location: In Lebanon Tn. Off of Highway 231 and adjacent to Interstate 40

Description:

This project will consist of clearing, grading, roadway and utility construction for a 35 acre for a commercial lot subdivision.

**There is a utility crossing and temporary construction Road at N 36.18464 degrees and W 86.29167 degrees and the Detention Water Quality Pond outlet is at N 36.18477 degrees and W 86.2983 degrees. There is also a by pass ditch that has an outlet at N 36.185 degrees and W 86.29408 degrees.**

Runoff Coefficient:

The final runoff coefficient for the developed portion of the site will be approximately 0.7.

Site Area:

The entire site contains approximately 35± acres. At this time development will only take place on a portion of the site. The total estimated area of disturbance is less than 35.0 acres.

Sequence of Major Grading Activities:

1. Install erosion control measures
2. Install stabilized construction entrance
3. Clearing and grubbing for water quality basin.
4. Construct water quality basin and outlet structure.
5. Continue clearing and grubbing for roadway, drainage and utility construction
6. Stockpile topsoil
7. Continue grading operations
8. Stabilize denuded areas and stockpiles within 15 days of last construction activity in that area
9. Complete roadway and parking sub-grade grading
10. Install utilities, storm sewer, roadway base and curb
11. Complete grading and install permanent seeding and plantings
12. Install base and binder paving courses
13. Remove accumulated sediment from storm inlets and along erosion barriers
14. Remove accumulated sediment from water quality basin.



15. When all construction activity is completed and grading is stabilized, remove erosion control measures

#### Stabilization Practices:

Temporary Stabilization – Top soil stock piles and disturbed portions of the site where construction activity has temporarily ceased for at least 21 days will be stabilized with a temporary seed and mulch mixture no later than 15 days from the last activity in that area. The temporary seed shall be Rye (grain) applied at a rate of 120 pounds per acre. Prior to seeding, 2,000 pounds of ground agricultural limestone and 1,000 pounds of 10-10-10 fertilizer shall be applied to each acre to be stabilized. After seeding, each area shall be mulched with 4,000 pounds per acre of straw. The straw mulch is to be tacked in place by a disk with blades set nearly straight. Areas of the site which are to be paved will be temporarily stabilized by applying geotextile and stone sub-base until bituminous pavement can be applied.

Permanent Stabilization – Disturbed portions of the site where construction activity has permanently ceased shall be stabilized with permanent seed no later than 7 days after the last construction activity. The permanent seed mix shall consist of 80-pounds/acre tall fescue, and 40-pounds/acre kobe lespedeza. Prior to seeding, 4,000 pound of ground agricultural limestone and 2,000 pounds of 10-10-10 fertilizer shall be applied to each acre to be stabilized. After seeding, each area shall be mulched with 4,000 pounds per acre of straw. The straw mulch is to be tacked in place by a disk with the blades set nearly straight.

#### Storm Water Management:

Storm water runoff will be collected by a combination of open channels and roadway inlets. The collected storm water runoff will be routed through a Water Quality and Storm water Detention Pond before being released into Sinking Creek. Graded areas will be seeded or stabilized dependant upon the slope conditions. All slopes greater than 3:1 will be stabilized. The water routed through the storm drainage system will be checked with inlet filters and stone checked dams prior to flowing into the water quality ponds.

### **OTHER CONTROLS**

#### Waste Materials:

All waste materials will be collected and stored in a securely lidded metal dumpster rented from a licensed local waste management company. The dumpster will meet all local and state solid waste management regulations. All trash and construction debris from the site will be deposited into the dumpster. The dumpster will be emptied at a minimum of once per week or more often if necessary; the trash will be hauled to the appropriate waste management facility. All personnel will be instructed regarding the correct procedure for waste disposal. Notices stating these practices will be posted in the office trailer and the site superintendent, who manages day-to-day operations, will be responsible for seeing that these procedures are followed.

#### Hazardous Waste:



All hazardous waste materials will be deposited of in the manner specified by local or State regulation or by the manufacturer. Site personnel will be instructed in these practices by the job superintendent or hazardous materials coordinator.

#### Sanitary Waste:

A licensed collection company under contract will collect all sanitary waste from portable units at a minimum of two times per week with the contractor. The disposal of sanitary wastes will be in accordance with all applicable local and State regulations.

#### Offsite Vehicle Tracking:

A stabilized construction entrance will be provided to help reduce vehicle tracking of sediments. The paved street adjacent to the site entrance will be swept to remove debris and excess mud, dirt or rock tracked from the site. Dump trucks hauling material from the construction site will be covered with tarpaulins.

### **TIMING OF CONTROLS / MEASURES**

As Indicated in the Sequence of Major Activities, the stabilized construction entrance and erosion control measures will be installed prior to clearing of grading of any other portions of the site. Areas where construction activity temporarily ceases for more than 21 days will be stabilized with a temporary seed and mulch mixture within 15 days of the last disturbance. Once construction activity ceases permanently in an area, that area will be stabilized with permanent seed and mulch. After the entire site is stabilized, the accumulated sediment will be removed from the storm inlets and erosion control devices. Any areas disturbed during cleanup procedures will be stabilized prior to the removal of erosion control measures.

### **CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS**

The storm water pollution prevention plan reflects Metropolitan Department of Public Works requirements for storm water management of erosion and sediment control, as established by Metropolitan Government Ordinance. To ensure compliance, this plan was prepared in accordance with "Volume 4 – Best Management Practices" of the Metropolitan Stormwater Management Manual dated March 2000.

### **MAINTENANCE AND INSPECTION PROCEDURES**

#### Inspection and Maintenance Practices:

These are the inspection and maintenance practices that will be used to maintain erosion prevention and sediment controls.

- Less than one half of the site will be denuded at one time.
- All control measures will be inspected at least twice every calendar week. Inspections shall be performed at least 72 hours apart. Where sites or portion(s) of construction sites have been temporarily stabilized, or runoff is unlikely due to winter conditions (e.g., site covered

with snow or ice) or due to extreme drought, such inspection only has to be conducted once per month until thawing or precipitation results in runoff or construction activity resumes. Inspection requirements do not apply to definable areas that have been finally stabilized. Written notification of the intent to change the inspection frequency and the justification for such a request must be submitted to the local Environmental Field Office, or the Transportation (TDOT) and the Tennessee Valley Authority (TVA). Should the division discover that monthly inspections of the site are not appropriate due to insufficient stabilization measures or otherwise, twice weekly inspections shall resume. The division may inspect the site to confirm or deny the notification to conduct monthly inspections.

- All measures will be maintained in good working order, if a repair is necessary, it will be initiated within 24 hours of report.
- Built up sediment will be removed from silt fence when it has reached one-third the height of the fence.
- Silt fence will be inspected for depth of sediment, tears, security of attachment to the fence posts, and to see that the fence posts are firmly in the ground.
- The sediment basin will be inspected for depth of sediment, and built up sediment will be removed when it reaches 10 percent of the design capacity and at the end of the job.
- Temporary and permanent seeding and planting will be inspected for bare spots, washouts, and healthy growth.
- A maintenance inspection report will be made after each inspection. A copy of the report form is attached.
- The site superintendent will select three individuals who will be responsible for inspections, maintenance and repair activities, and filling out the inspection and maintenance reports.
- Inspectors performing the required twice weekly inspections must have an active certification by completing the "Fundamentals of Erosion Prevention and Sediment Control Level I" course. A copy of the certificate or training record for inspector certification should be kept on site.

#### Non-Storm Water Discharges:

The following non-storm water discharges or expected from the site during the construction period:

- Water from water line flushings.
- Water from dust control measures.
- Pavement wash waters (where there have been no spills or leaks of toxic or hazardous materials).
- Uncontaminated ground water from dewatering excavation.

All non-storm water discharges will be directed to the sediment basin to the extent possible.

### **INVENTORY FOR POLLUTION PREVENTION PLAN**

The materials or substances listed below are expected to be onsite during construction:

- Concrete
- Detergents
- Bituminous Materials
- Tar
- Fertilizers



- Petroleum based products
- Cleaning solvents
- Wood
- Masonry Block

## **SPILL PREVENTION**

### Material Management Practices:

The following material management practices will be used to reduce the risk of spills or other accidental exposure of materials and substances to storm water runoff:

### Good Housekeeping:

The following good housekeeping practices will be followed onsite during the construction project:

- An effort will be made to store only enough products required to do the job.
- All materials stored onsite will be stored in a neat, orderly manner in their appropriate containers and, if possible, under a roof or other enclosure.
- Products will be kept in their original containers with the manufacturer's label.
- Substances will not be mixed with one another unless recommended by the manufacturer.
- Whenever possible, all of a product will be used before disposing of the container.
- Manufacturers' recommendations for proper use and disposal will be followed.
- The site superintendent will inspect daily to ensure proper use and disposal of materials onsite.

### Hazardous Products:

These practices are used to reduce the risks associated with hazardous materials:

- Products will be kept in original containers unless they are not able to be resealed.
- Original labels and material safety data will be retained.
- If surplus product must be disposed of, manufacturers' or local and State recommended methods for proper disposal would be followed.

### Product Specific Practices:

The following product specific practices will be followed onsite:

#### Petroleum Products:

All onsite vehicles will be monitored for leaks and receive regular preventative maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers that are clearly labeled. Any asphalt substances used onsite will be applied according to the manufacturer's recommendations.



### Fertilizers:

Fertilizers will be applied only in the minimum amounts recommended by the manufacturer. Once applied, fertilizer will be worked into the soil to limit exposure to storm water. Storage will be in a covered shed. The contents of and partially used bags of fertilizer will be transferred to a sealable plastic bin to avoid spills.

### Concrete Trucks:

Concrete trucks will not be allowed to discharge surplus concrete, wash out water or drum wash water into the storm sewer system.

### Spill Control Practices:

In addition to good housekeeping and material management practices discussed in the previous sections, the following practices will be followed for spill prevention and cleanup:

- Manufacturer's recommended methods for spill cleanup will be clearly posted and site personnel will be made aware of the procedures and the location of the information and cleanup supplies.
- Materials and equipment necessary for spill cleanup will be kept in the material storage area onsite. Equipment and materials will include but not be limited to brooms, dust pans, mops, rags, gloves, goggles, kitty litter, sand, sawdust, and plastic and metal trash containers specifically for this purpose.
- All spills will be cleaned up immediately after discovery.
- The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous substance.
- Spills, regardless of size, of toxic or hazardous material will be reported to the appropriate State or local government agency.
- In the event of a spill, the spill prevention plan will be adjusted to include measures to prevent this type of spill from reoccurring and how to cleanup the spill if there is another one. A description of the spill, what caused it, and the cleanup measures will also be included.
- The site superintendent responsible for day-to-day operations; will be the spill prevention and cleanup coordinator. He will designate at least three other site personnel who will receive spill prevention and cleanup training. These individuals will each be responsible for a particular phase of prevention and cleanup. The names of the responsible spill personnel will be posted in the material storage area and in the office trailer onsite.

## POLLUTION PREVENTION PLAN CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person, or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed: \_\_\_\_\_  
Owner's Representative

## CONTRACTORS CERTIFICATION

I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with the construction activity described in this Storm Water Pollution Prevention Plan.

**Signature:**

**Company Information:**

**Responsible For:**

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Date: \_\_\_\_\_

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